

FIGURE 1

Query: 1 MFSPDQENH--PFKAPVKYGELIVLGYNGSLPNGDRGRRKSRFALFKRPKANGVKPSTVH 58
 MFSP QE H P K PVKYGEL+VLGYNG+LPNGDRGRRKSRFAL+KRPKANGVKPSTVH
 Sbjct: 1 MFSPGQEEHCAPNKEPVKYGELVVLGYNGALPNGDRGRRKSRFALYKRPKANGVKPSTVH 60

Query: 59 IACTPQAAKAISNKDQHSISYTLSTRAQTVVVEYTHDSNTDMFQIGRSTESPIDFVVTDTV 118
 + TPQA+KAIS K QHSISYTLSTRTVVVEYTHD +TDMFQ+GRSTESPIDFVVTD+
 Sbjct: 61 VISTPQASKAISCKGQHSISYTLSTRTVVVEYTHDKDTDMFQVGRSTESPIDFVVTDI 120

Query: 119 PGSQNSDTSQSVQSTISRACRIICERNPPFTARIYAAGFDSSKNIFLGEKAAKWKTS DG 178
 GSQ+ + Q QSTISRACRI+C+RN P+TARI+AAGFDSSKNIFLGEKAAKWK DG
 Sbjct: 121 SGSQNTDEAQITQSTISRACRIVCDRNEPYTARIFAAGFDSSKNIFLGEKAAKWKNP DG 180

Query: 179 QMDGLTTNGVLVMHPRNGFTEDSKPGIWREISVCGNVFSLRETRSAQQRGKMVEIETNQL 238
 MDGLTTNGVLVMHPR GFTE+S+PG+WREISVCG+V++LRETRSAQQRGK+VE ETN L
 Sbjct: 181 HMDGLTTNGVLVMHPRGGFTESQPGVWREISVCGDVYTLRETRSAQQRGKLVESETNVL 240

Query: 239 QDGLSLIDLCGATLLWRTAEGLSHTPTVKHLEALRQEINAARPQCPVGFNTLAFPSMKRKD 298
 QDGLSLIDLCGATLLWRTA+GL HTPT KH+EALRQEINAARPQCPVG NTLAFPS+ RK+
 Sbjct: 241 QDGLSLIDLCGATLLWRTADGLFHTPTQKHIEALRQEINAARPQCPVGLNTLAFPSINRKE 300

Query: 299 VVDEKQPWVYLNCGHVHGYHNWGNKEERDGDRECPMCRSVGPYVPLWLGCEAGFYVDAG 358
 VV+EKQPW YL+CGHVHGYHNWG++ + + +RECPMCR+VGPYVPLWLGCEAGFYVDAG
 Sbjct: 301 VVEEKQPWAYLSCGHVHGYHNWGRSDTEANERECPMCRVGPYVPLWLGCEAGFYVDAG 360

Query: 359 PPTHAFSPCGHVCSEKTTAYWSQIPLPHGTHTFHAACPFCALAGEQGYIRLIFQGPLD 418
 PPTHAF+PCGHVCSEK+ YWSQIPLPHGTHTFHAACPFCALAGEQ I+LIFQGP+D
 Sbjct: 361 PPTHAFTPCGHVCSEKSAKYWSQIPLPHGTHTFHAACPFCATQLVGEQNCIKLIFQGPID 420

10041030-12304

Figure 2

Tumor cell line	Tumor classification	relative Pellino-2 mRNA
H460	large cell	10673
SKLC-13	Small cell	149
LOU-NH91	squamous	0.17
H727	carcinoid	10748
colo699	adeno	1615
EPLC-272H	squamous	8.2
BEN	Carcinoma	4652
LCLC-103H	Large cell carcinoma	12
NCI-H510A	small cell carcinoma	3074
DMS114	unknown	85

FIGURE 3

		Pellino-2 gene copy number	Amp. Frequency
H82	Lung cell line	8.9	9/43 > 2.5X 21%
SKLC-17	Lung cell line	3.4	
SKLU-1	Lung cell line	2.8	
H322	Lung cell line	3.5	
H345	Lung cell line	4	
H460	Lung cell line	3.3	
SHP77	Lung cell line	3.8	
SKLC-13	Lung cell line	3.3	
9812	Lung cell line	3.7	

		Pellino-2 gene copy number	Amp. Frequency
LU-2	lung tumor	2.6	5/43 > 2.5X 12%
LU-23	lung tumor	2.7	
LU-29	lung tumor	2.5	
LU-49	lung tumor	3.5	
LU-52	lung tumor	3.1	

		Pellino-2 gene copy number	Amp. Frequency
CACO (CC1)	COLON CELL LINE	2.7	7/24 > 2.5X 29%
COLO265 (CC2)	COLON CELL LINE	2.7	
SW48 (CC10)	COLON CELL LINE	5.5	
COLO300 (CC17)	COLON CELL LINE	3.1	
colo320 (CC18)	COLON CELL LINE	3.7	
NULH 716 (CC21)	COLON CELL LINE	2.5	
SKCO1 (CC23)	COLON CELL LINE	3.1	

		Pellino-2 gene copy number	Amp. Frequency
CO 1	colon tumor	6.9	4/30 > 2.5X 13%
CO 18	colon tumor	2.9	
CO 19	colon tumor	2.6	
CO 11	colon tumor	3	

		Pellino-2 gene copy number	Amp. Frequency
CHTN273 (OT5)	ovarian tumor	3	5/37 > 2.5X 14%
CHTN279 (OT9)	ovarian tumor	4.2	
CHTN291 (OT18)	ovarian tumor	3.4	
CHTN380(OT30)	ovarian tumor	2.9	
CHTN652(OT38)	ovarian tumor	2.6	

10041030 122804